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MORI MOTOO;  
TANAKA HIDEAKI;**Assignee:** SHARP CORP  
[News, Profiles, Stocks and More about this company](#)**Published / Filed:** 1988-01-20 / 1986-07-02**Application Number:** JP1986000156966**IPC Code:** Advanced: C01B 31/02; C23C 16/26; H01M 4/58; H01M 4/96; H01M 10/40;

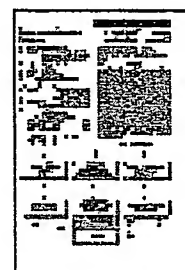
Core: C01B 31/00; H01M 10/36; more...

IPC-7: H01M 4/60; H01M 10/40;

**Priority Number:** 1986-07-02 JP1986000156966**Abstract:** PURPOSE: To increase charge-discharge cycle performance, to limit discharge capacity by that of a negative electrode, and to widen the range of usable materials by making the charge-discharge capacity of a positive electrode larger than that of a negative electrode in a nonaqueous electrolyte secondary battery comprising a positive electrode, a nonaqueous electrolyte, and a negative electrode using a specific carbon as active material.

CONSTITUTION: As a negative electrode of a secondary battery using nonaqueous organic solvent, a carbon body mainly comprising carbon which is formed from a hydrocarbon compound by vapor phase build-up method by low temperature heat decomposition at 1500°C or lower and has planar net-like six-membered ring structure (graphite structure) having disorder layer structure and selective orientation structure is used, and the capacity of the negative electrode is made smaller than that of a positive electrode. A main planar spacing of the carbon is 0.337~0.355nm. The ratio of Raman strength 1360cm<sup>-1</sup>, to Raman strength of 1580cm<sup>-1</sup> in Raman structure is 0.4~1.0. V2O5, Cr2O3, chalcogen compound, and composite or mixture of these compounds are used in the positive electrode.

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References:

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	<a href="#">US6706447</a>	2004-03-16	Gao; Yuan	FMC Corporation, Lithium Division	<a href="#">Lithium metal dispersion in secondary battery anodes</a>

Other Abstract  
Info:

CHEMABS 108(10)078670M DERABS C87-272820

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